

7. Assignment 1 - Hello

This assignment objectives are:

- Validation of the setup of development environment
- Run "Hello" from Eclipse in JETTY

Or

- Build using maven and deploy in tomcat
- Run "Hello" from tomcat

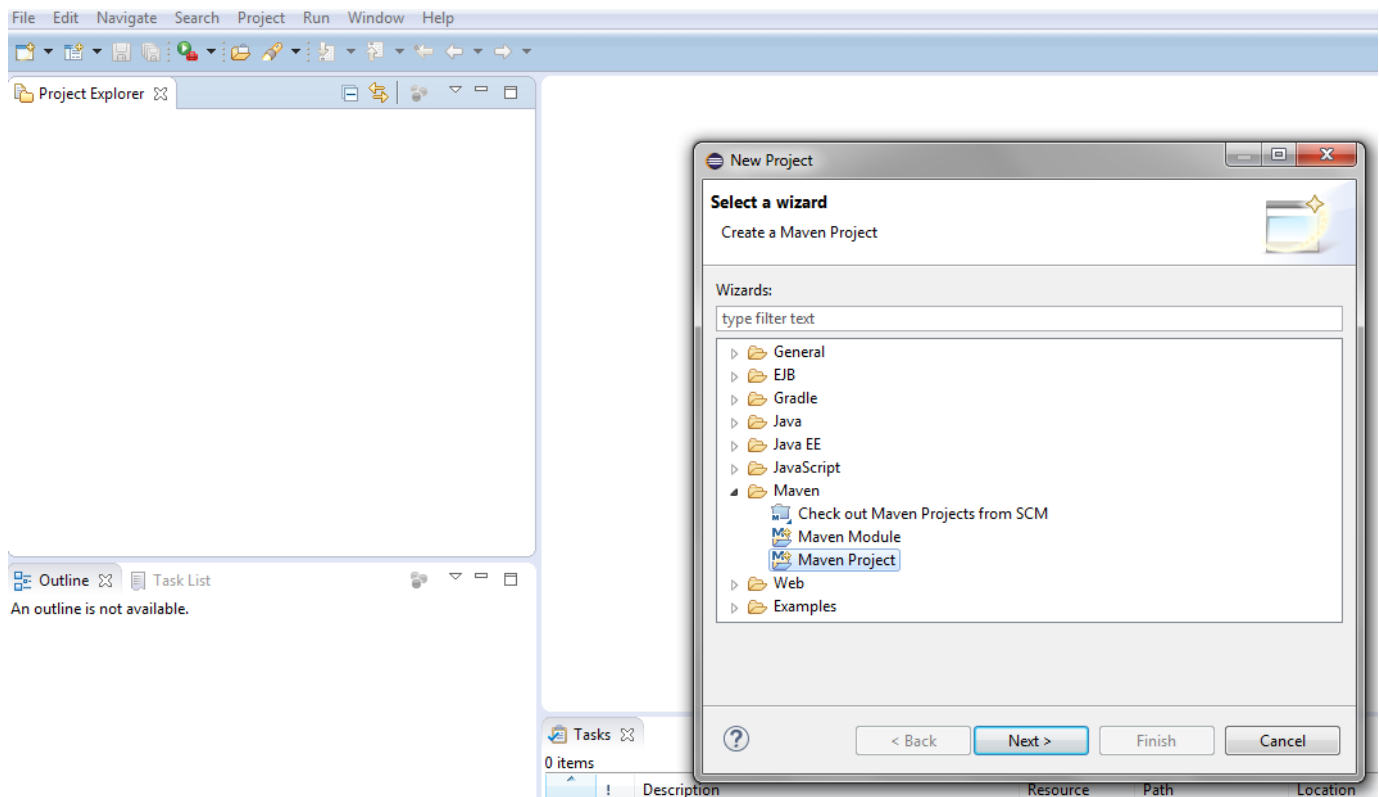
Work space	Instructions	Running
rest-lab1	1. Web app maven project 2. Jersey config - pom.xml a. Maven dependencies for Jersey, Servlet. 3. web.xml configuration 4. Hello from Jersey - HelloResource	• Running in Jetty or Tomcat http://localhost:8080/lab1/rest/hello

Prerequisite :

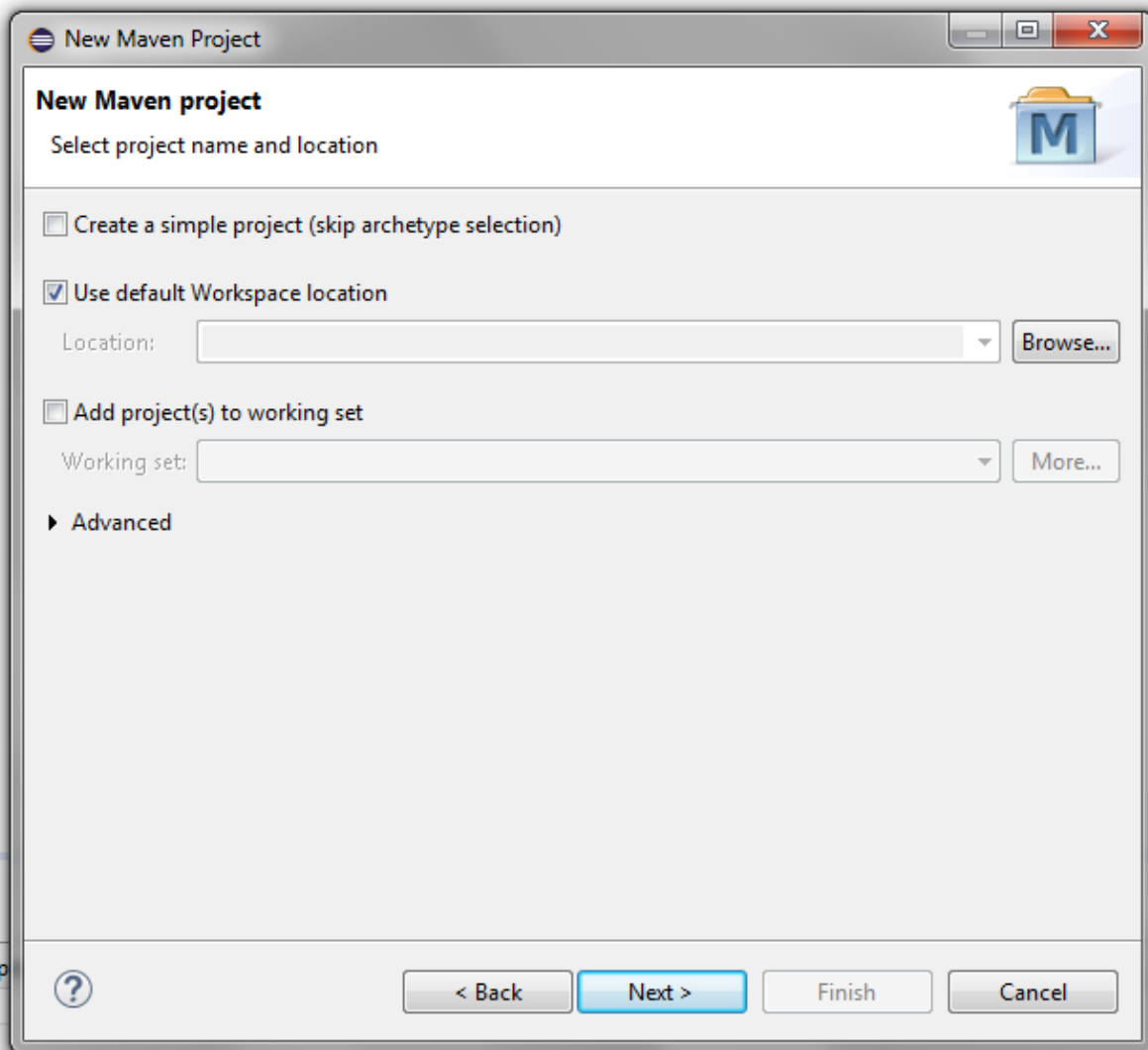
- You have JDK installed
- and Eclipse Mars setup with JETTY plug-in

Instructions :

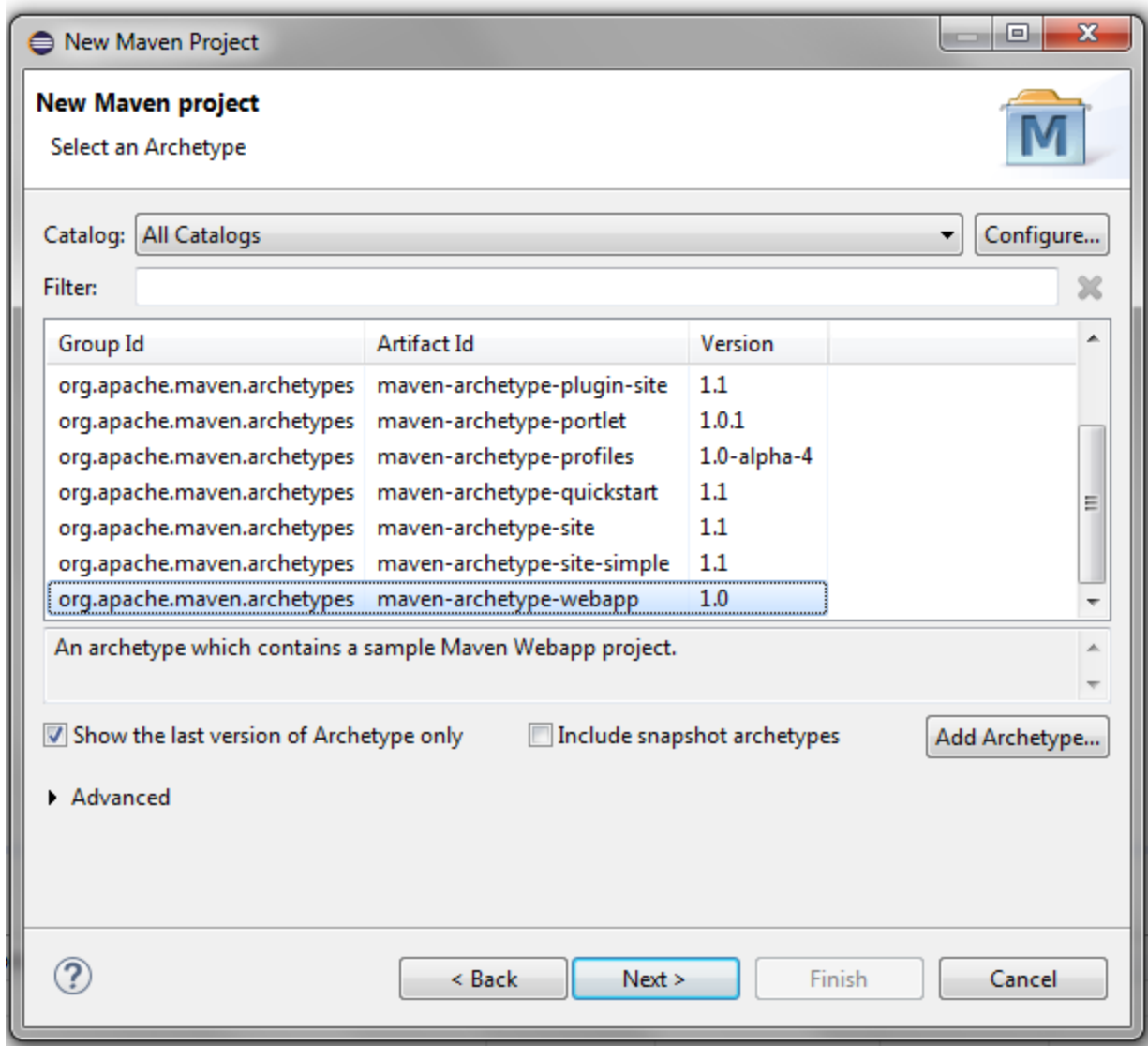
1. Create new project - File new -> project -> maven -> maven project



2. Press Next. It will show following screen. Skip this screen by pressing Next.



3. Select archetype as maven-archetype-webapp as below



4. Fill information as below in the next screen for the maven project and press Finish.

New Maven Project

Specify Archetype parameters

Group Id:

Artifact Id:

Version:

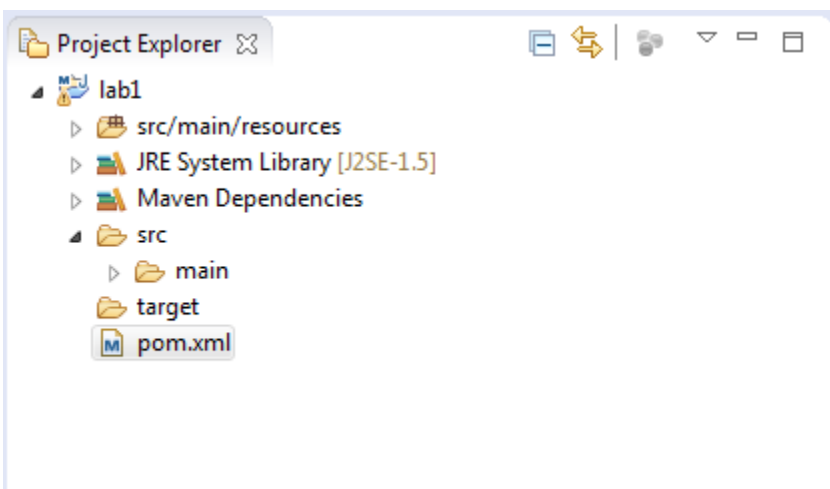
Package:

Properties available from archetype:

Name	Value

► Advanced

5. Add maven dependencies in pom.xml for jersey and servlet.



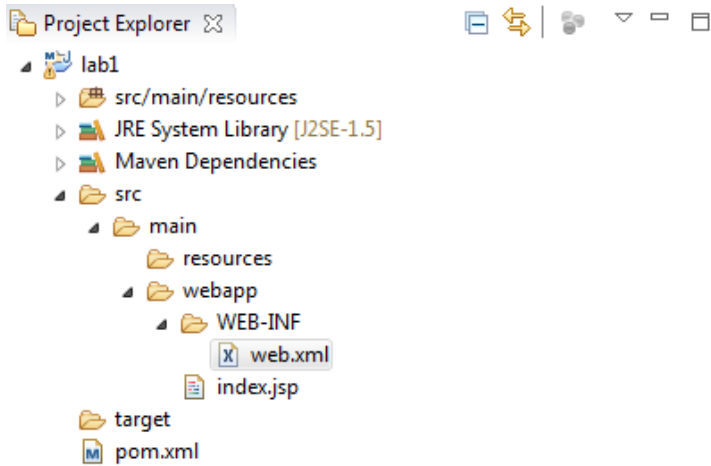
```
<dependency>
<groupId>com.sun.jersey</groupId>
<artifactId>jersey-server</artifactId>
<version>1.19</version>
<scope>compile</scope>
</dependency>
```

```

<dependency>
<groupId>com.sun.jersey</groupId>
<artifactId>jersey-servlet</artifactId>
<version>1.19</version>
<scope>compile</scope>
</dependency>

```

6. Add jersey servlet configuration in web.xml



```

<web-app>
<display-name>Archetype Created Web Application</display-name>
<servlet>
<servlet-name>Jersey REST Service</servlet-name>
<servlet-class>com.sun.jersey.spi.container.servlet.ServletContainer</servlet-class>
<init-param>
<param-name>com.sun.jersey.config.property.packages</param-name>
<param-value>com.rest</param-value>
</init-param>
<load-on-startup>1</load-on-startup>
</servlet>

<servlet-mapping>

<servlet-name>Jersey REST Service</servlet-name>
<url-pattern>/rest/*</url-pattern>

</servlet-mapping>

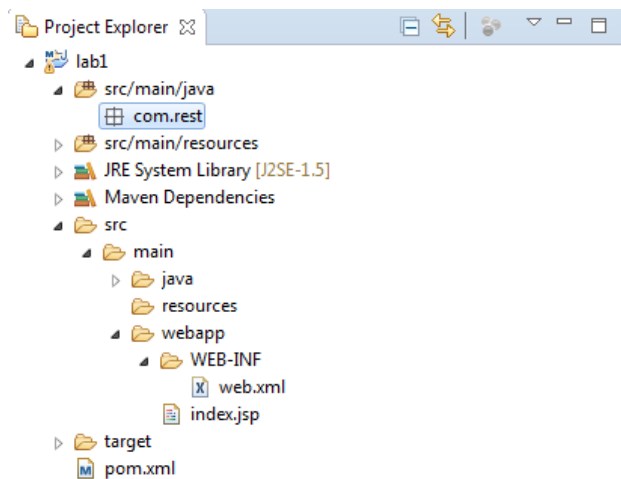
</web-app>

```

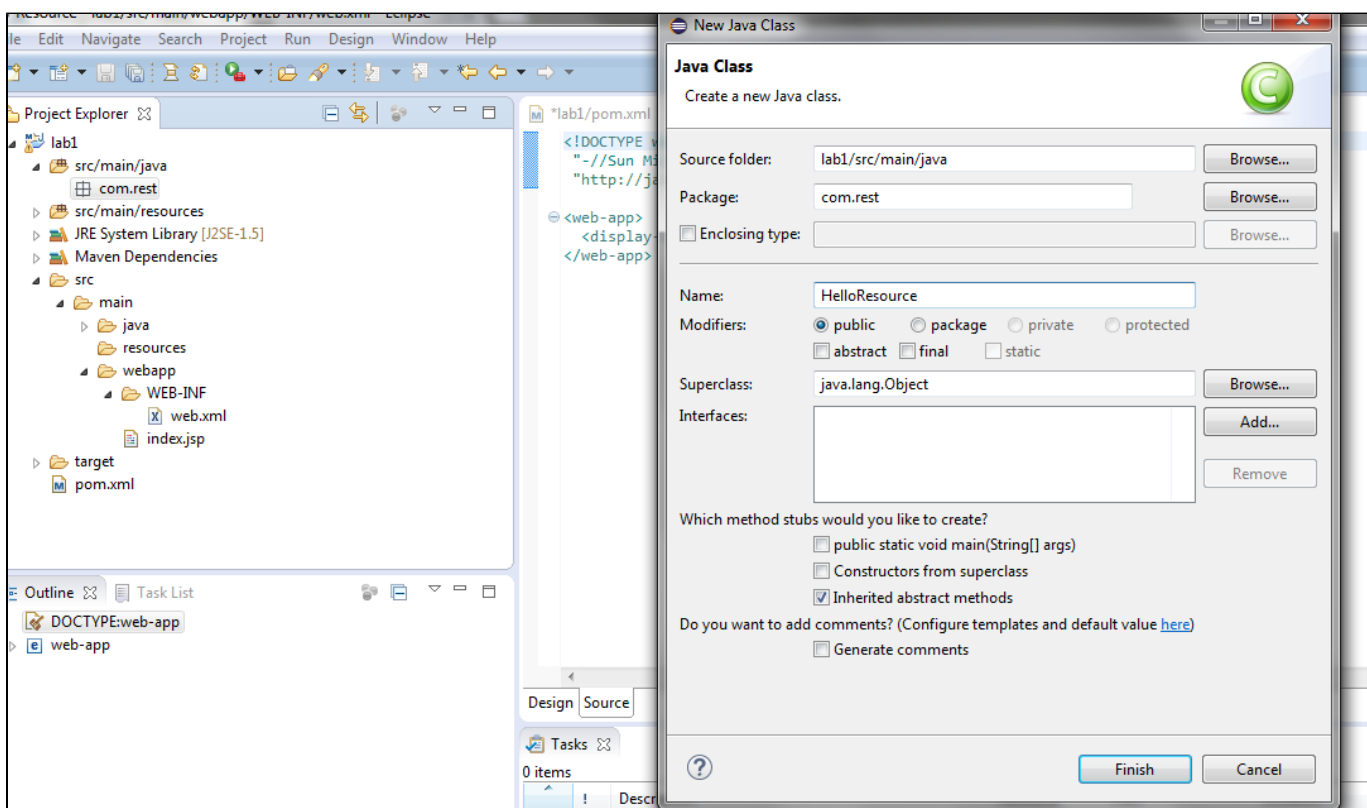
7. Select main -> new folder -> java - src/main/java

Then new package -> com.rest

You should see following:



8. New class HelloResource in com.rest package



```
package com.rest;

import javax.ws.rs.GET;
import javax.ws.rs.Path;
import javax.ws.rs.Produces;
import javax.ws.rs.core.MediaType;

@Path("hello")
public class HelloResource {
    @GET
    @Produces(MediaType.TEXT_HTML)
    public String sayHtmlHello() {
        return "Hello from Jersey";
    }
}
```

9. Select pom.xml and Run as JETTY

